

APPENDIX 4-A STORAGE OF KYANITE

1. *Description.* Kyanite is a variety of aluminum silicate and may be received either as lumpy or fine material. Lumpy material, known as “ore”, is usually a light green to blue color from Africa and red to dark red from India. Not more than 10% by weight of this material will pass through a 1/2 inch screen. Fines consist of material not more than 60% by weight of which will pass through a 16 inch mesh U.S. Standard screen and not more than 5% by weight of which will be retained on a 1/2 inch screen.

Calcined material is known as Mullite. It is white or light gray in color and granular in form.

2. *Packaging.* Kyanite “ore” is shipped in bulk. Mullite and fines are packed in bags.

3. *Marking.* Positive identification of material shall be obtained from information shown on documents accompanying each shipment and on shipping instructions issued by the DNSC-OL. The DNSC-OL should be notified whenever identifying documents are lacking.

4. *Storage* Kyanite “ore” is stored in bulk on open, Type C or better surfaces. No rewarehousing is necessary to meet this requirement. During receipt or mandatory relocation, Storage Manual requirements should be met. Mullite and fines are stored in bags in a warehouse, shed, or other suitable covered storage space. Segregation of all material must be by country of origin, (Africa or India), in addition to which material from India must be segregated according to “62% and over” and “under 62%”. Any special storage instructions will be shown on shipping documents.

5. *Precautions To Be Taken*

a. *Health.* Dust should be minimized during receipt and/or outloading this material.

b. *General.* None

6. *Average Storage Factor* 14 net cubic feet per short ton.

FOR ADDITIONAL INFORMATION ON THIS COMMODITY REFER TO THE MATERIAL SAFETY DATA SHEET OR THE MOST RECENT PURCHASE SPECIFICATION.